



TEST REPORT OF CEMENT CONCRETE CUBES

Format No: CP/TF/01

Lab ID : CP-2018-07-30-14
Customer : Assistant Executive Engineer, T-Dasarahalli Sub Division, BBMP, Bangalore.
Address : T-Dasarahalli Sub Division, BBMP, Bangalore.
Project Name : Construction and repairs to culverts in Dasarahalli in ward no. 15
Agency : Sri. D.V. Kumar, No. 657/1, 5th Main, Lava Kusha Nagara, Laggere, Bengaluru-58
Customer's Reference : EE/DD/WO/272/17-18
Source of Sample : Sample supplied by Agency
Sample Condition : Satisfactory
Date of Receipt : 30-07-18
Sample ID No : 2018-07-30-14 /03
Customer ID : M20 Concrete
Sample Type /Size : 150X150X150 mm
Sample grade/Age : M20 / 7 Days Compressive Strength
Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date: 03/08/2018

Date of test : 03/08/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm ²)	Average Compressive Strength (N/mm ²)
1	M20 Concrete	M20	27/07/2018	03/08/2018	150.42 X 149.46 X 150.62	22482	8.230	418.8	18.6	18.5
2	M20 Concrete	M20	27/07/2018	03/08/2018	151.58 X 151.47 X 151.85	22960	8.544	426.6	18.6	
3	M20 Concrete	M20	27/07/2018	03/08/2018	150.87 X 150.55 X 150.61	22714	8.410	413.2	18.2	

Note:

The results pertain to the samples received and tested.
All information furnished by Customer/Representative
Any correction in the report will make this report invalid
This report without prior written approval should not be reproduced or published in full or part.
Samples will be disposed after 90 days from the date of issue of test certificate

[Signature]
M. KARTHIK RECHAN
Authorized Signatory
Quality Manager

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****End of Report****



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Agency : Sri. D.V. Kumar, No. 657/1, 5th Main, Lava Kusha Nagara, Laggere, Bengaluru-58
Customer's Reference : EE/DD/WO/272/17-18
Source of Sample : Sample supplied by Agency
Sample Condition : Satisfactory
Date of Receipt : 30-07-18
Sample ID No : 2018-07-30-14 /04
Customer ID : M20 Concrete
Sample Type /Size : 150X150X150 mm
Sample grade/Age : M20 / 28 Days Compressive Strength
Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 24/08/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm ²)	Average Compressive Strength (N/mm ²)
1	M20 Concrete	M20	27/07/2018	24/08/2018	151.33 X 151.48 X 149.01	22923	8.219	540.7	23.6	23.0
2	M20 Concrete	M20	27/07/2018	24/08/2018	149.11 X 149.92 X 149.29	22355	8.500	498.5	22.3	
3	M20 Concrete	M20	27/07/2018	24/08/2018	150.98 X 151.74 X 149.79	22910	8.074	532.4	23.2	

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ಬೆಂಗಳೂರು

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FOR CIVIL PRO.
R. K. R. CHAN
R. K. R. CHAN
Authorized Signatory
Quality Manager



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Lab ID : CP-2018-07-30-14
Customer : Assistant Executive Engineer, T-Dasarahalli Sub Division, BBMP, Bangalore.
Address : T-Dasarahalli Sub Division, BBMP, Bangalore.
Project Name : Construction and repairs to culverts in Dasarahalli in ward no. 15
Agency : Sri. D.V. Kumar, No. 657/1, 5th Main, Lava Kusha Nagara, Laggere, Bengaluru-58
Customer's Reference : EE/DD/WO/272/17-18
Source of Sample : Sample supplied by Agency
Sample Condition : Satisfactory
Date of Receipt : 30-07-18
Sample ID No : 2018-07-30-14 /05
Customer ID : M20 Concrete
Sample Type /Size : 150X150X150 mm
Sample grade/Age : M20 / 7 Days Compressive Strength
Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test : 03/08/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm ²)	Average Compressive Strength (N/mm ²)
1	M20 Concrete	M20	27/07/2018	03/08/2018	150.83 X 150.70 X 149.55	22730	8.188	412.6	18.2	18.4
2	M20 Concrete	M20	27/07/2018	03/08/2018	149.14 X 151.04 X 151.55	22527	8.460	410.7	18.2	
3	M20 Concrete	M20	27/07/2018	03/08/2018	149.18 X 150.36 X 151.70	22431	8.216	421.5	18.8	

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Project Name : Construction and repairs to culverts in Dasarahalli in ward no. 15
Agency : Sri. D.V. Kumar, No. 657/1, 5th Main, Lava Kusha Nagara, Laggere, Bengaluru-58
Customer's Reference : EE/DD/WO/272/17-18
Source of Sample : Sample supplied by Agency
Sample Condition : Satisfactory
Date of Receipt : 30-07-18
Sample ID No : 2018-07-30-14 /06
Customer ID : M20 Concrete
Sample Type /Size : 150X150X150 mm
Sample grade/Age : M20 / 28 Days Compressive Strength
Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date: 24/08/2018

Date of test : 24/08/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm ²)	Average Compressive Strength (N/mm ²)
1	M20 Concrete	M20	27/07/2018	24/08/2018	149.18 X 149.26 X 150.69	22267	8.386	525.6	23.6	23.4
2	M20 Concrete	M20	27/07/2018	24/08/2018	151.48 X 149.89 X 150.01	22705	8.477	521.0	22.9	
3	M20 Concrete	M20	27/07/2018	24/08/2018	149.35 X 150.42 X 151.62	22465	7.996	528.9	23.5	

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TEST REPORT ON COARSE AGGREGATES

Format No: CP/TF/01

Lab ID : CP-2018-07-16-13
Customer : Assistant Executive Engineer, T-Dasarahalli Sub Division, BBMP, Bangalore.
Address : T-Dasarahalli Sub Division, BBMP, Bangalore.
Project Name : Construction and repairs to culverts in Dasarahalli in ward no. 15
Agency : Sri. D.V. Kumar, No. 657/1, 5th Main, Lava Kusha Nagara, Laggere, Bengaluru-58
Customer Reference : EE/DD/WO/272/17-18
Source of Sample : Sample supplied by Agency
Sample Condition : Satisfactory
Date of Receipt : 16-07-18
Sample ID No : 2018-07-16-13 /02(b)
Sample Type/ Size : 20mm down-size coarse aggregate
Reference to BIS codes : IS: 383:2016 (Specification for Coarse and fine Aggregates)
IS: 2386 :1963(Part - 1,3,4) RA2011
IS 2386 Part 1: Particle Size and Shape
IS 2386 Part 3: Specific gravity, Density, Voids, Water Absorption
IS 2386 Part 4: Mechanical Properties
Date of test : 16-07-18

SIEVE ANALYSIS (PARTICLE SIZE DISTRIBUTION) OF 20MM DOWN COARSE AGGREGATE:

Total weight taken		5000 grams				
Sample No.	Sieve No.	Weight Retained in gms	Cumulative Weight Retained in gms	% Cumulative Weight Retained	% Passing	Required as per IS 383:2016
1	40 mm	0	0	0	100	100
2	20 mm	189	189	3.8	96.2	90-100
3	10 mm	2358	2547	50.9	49.1	25-55
4	4.75 mm	2150	4697	93.9	6.1	0-10
5	Pan	303	5000	100	0	-

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